

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A ~~robust~~ coiled electrode for an electrochemical cell, comprising
 - a first segment of electrode material forming an outer winding of the coiled electrode, the first segment being of a first thickness;
 - a second segment of electrode material forming inner windings of the coiled electrode, the second segment being of a second thickness that is greater than the first thickness; and
 - a solid current collector of a conductive material overlaying the first segment of electrode material and dimensioned to be coextensive with the outer winding of the coiled electrode~~an elongated electrode assembly having a coiled and generally flat configuration, said assembly having a final winding, and wherein a lateral thickness dimension of the final winding is less than the remaining, inner windings; and~~
~~an unperforated, substantially planar current collector configured to be coupled to an outer surface portion of the final winding.~~

2. (Currently Amended) A coiled electrode according to claim 1, wherein the ~~elongated electrode assembly further comprises: a first relatively thick member and a second relatively thin member~~ first and second electrode material segments are coupled together to form an overlapping region.

3. (Currently Amended) A coiled electrode according to claim 2, further comprising: a spacer member disposed on a portion of an inner face of the ~~final winding of the electrode assembly~~ first segment of electrode material.

4. (Original) A coiled electrode according to claim 3, wherein said spacer member has a shape corresponding to the current collector and at least partially extends beyond a peripheral edge of the current collector.

5. (Original) A coiled electrode assembly according to claim 4, wherein said spacer member at least partially overlaps at least a portion of the overlapping region.

6. (Currently Amended) A coiled electrode according to claim 2, ~~wherein said electrode assembly further comprises~~ comprising a ~~sheet-type~~ dielectric separator disposed over at least ~~the~~ an exposed surface of the current collector.

7. (Currently Amended) A coiled electrode according to claim 6, wherein said dielectric separator extends over substantially ~~surrounds the electrode assembly~~ the outer winding of the coiled electrode.

8. (Original) The coiled electrode according to claim 7, wherein said dielectric separator further comprises: at least two layers of separator material.

9. (Original) A coiled electrode according to claim 8, wherein a peripheral edge of said at least two layers of separator material are sealed together to form a dielectric pouch around said electrode assembly.

10. (Original) A coiled electrode according to claim 2, wherein a portion of said current collector covers at least a portion of the overlapping region.

11. (Currently Amended) A coiled electrode according to claim 10, wherein said current collector is disposed closely adjacent to ~~the~~ a terminal end of the ~~final~~ outer winding.

12. (Original) A coiled electrode according to claim 2, wherein at least a portion of the current collector is disposed adjacent at least a portion of the overlapping region.

13. (Original) A coiled electrode according to claim 3, wherein said spacer member comprises at least two sheets of material.

14. (Original) A coiled electrode according to claim 2, wherein said elongated electrode assembly comprises a lithium material.

15. (Original) A coiled electrode according to claim 14, wherein said current collector comprises: a nickel material, a copper material, a titanium material, or an alloy thereof.

16. (Currently Amended) A coiled electrode according to claim 6, further comprising an additional portion of separator material disposed adjacent ~~a planar portion of the proximal, interior end of the elongated electrode assembly~~ the dielectric separator.

17. (Currently Amended) A coiled electrode according to claim ~~[[1]]~~ 2, further comprising:

a reinforcing member coupled to the overlapping region.

18. (Original) A coiled electrode according to claim 17, wherein said reinforcing member comprises an alkali metal.

19. (Original) A coiled electrode according to claim 18, wherein said alkali metal comprises a lithium material.